

Yaosheng LOU

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EDUCATION

- Expected, May 2026* Ph.D., Educational Psychology and Methodology
University at Albany, State University of New York (SUNY)
Dissertation: *Exploring Large Language Models for Data Extraction in Single Case Design Meta-analysis: Applications, Challenges, and Future Directions*
Committee: Mariola Moeyaert (Chair), Benjamin G Solomon, Xin Li
- 2021 M.S., Educational Psychology and Methodology
University at Albany, SUNY
Thesis: *Personality Traits, Test Anxiety, Resilience and Academic Performance Among University Students: a moderated mediation model*
- 2020 B.S., Psychology
Emporia State University
Minor: Computer Science
- 2018 B.S., Applied Psychology
Liaoning Normal University, China

PUBLICATIONS

- Lou, Y.**, Moeyaert, M., & Wesling, P. (Under Review). Using Structured Prompts for Textual Data Extraction in Single-Case Design: Human Coders Versus Three Large Language Models. *Behavior Research Methods*
- Moeyaert, M., Miočević, M., **Lou, Y.**, & Valente, M. (Under Review). Synthesis of Single-Case Design Mediation Effects using Two-Stage Multilevel Modeling. *Behavior Research Methods*
- Moeyaert, M., **Lou, Y.**, Fingerhut, J., Yang, P., Miočević, M., & Valente, M. (2025). Systematic Review of Single-Case Designs to Identify Potential Mediator Characteristics. *The Journal of Behavioral Education*, 1-25. <https://doi.org/10.1007/s10864-025-09600-z>
- Lou, Y.**, & Colvin, K. F. (2025). Performance prediction using educational data mining techniques: a comparative study. *Discover Education*, 4(1), 112. <https://doi.org/10.1007/s44217-025-00502-w>
- Moeyaert, M., Yang, P., Xue, Y., & **Lou, Y.** (2024). Imbalances in Two-Level Hierarchical Linear Modeling of Single-Case Data: A Monte Carlo Simulation Study. *The Journal of Experimental Education*, 1-21. <https://doi.org/10.1080/00220973.2024.2394951>
- Lou, Y.** & Sun, Q (2021). Over-reliance on Database: A case study of Web of Science. *Human Behavior and Emerging Technologies*, 3(3), 454-459. <https://doi.org/10.1002/hbe2.266>
- Yan, Z., Xue, Y., & **Lou, Y.** (2021). Risk and protective factors for intuitive and rational judgment of cybersecurity risks in a large sample of K-12 students and teachers. *Computers in Human Behavior*, 121, 106791. <https://doi.org/10.1016/j.chb.2021.106791>

- Yan, Z., Robertson, W., **Lou, Y.**, Robertson, T. W., & Park, S. Y. (2021). Finding leading scholars in mobile phone behavior: a mixed-method analysis of an emerging interdisciplinary field. *Scientometrics*, 1-19. <https://doi.org/10.1007/s11192-021-04184-7>
- Yan, Z., Yang, P., Xue, Y., **Lou, Y.**, & Melissa, N. (2021). Validity and Reliability of Cybersecurity Judgment Questionnaire for Middle and High School Students: A Validation Study with Rasch Analysis. *Human Behavior and Emerging Technologies*, 3(5), 776-787. <https://doi.org/10.1002/hbe2.312>

CONFERENCE PAPERS AND PRESENTATIONS

- Lou, Y.**, Moeyaert, M., Wesling, P., Solomon, B., & Li, X. (April, 2026). *Exploring Generative Artificial Intelligence for Graphical Data Extraction in Single Case Design Meta-analysis*. [Paper Presentation]. Annual Meeting of the American Education Research Association, Los Angeles, CA, United States.
- Lou, Y.**, Moeyaert, M., Wesling, P., Solomon, B., & Li, X. (October, 2025). *Exploring Generative Artificial Intelligence for Data Extraction in Single Case Design Meta-analysis*. [Paper Presentation]. Artificial Intelligence in Measurement and Education Conference, Pittsburgh, PA, United States.
- Lou, Y.** (June, 2025). *Single-Case Experimental Design: Current literature and future directions*. [Paper Presentation]. International Conference for Early Career Scholars in Psychology, Dalian, Liaoning, China
- Lou, Y.**, Moeyaert, M., Fingerhut, J., Yan, P., Miocevic, M., Valente, M., &. (April, 2025). Systematic review of single-case designs to identify mediator characteristics [Poster Session], Annual Meeting of the American Education Research Association, Denver, CO, United States.
- Colvin, K. F., Park, S., **Lou, Y.**, Schlomer, G., & Park, Y. (April, 2025). *Using AI tools to support scale development*. [Paper presentation]. Annual Meeting of the National Council on Measurement in Education, Denver, CO, United States.
- Lou, Y.**, Moeyaert, M., Yang, P., Xue, Y., (April, 2024). *Empirical Investigation of the Impact of Imbalanced Moderators in Single-Case Multilevel Analysis: A Monte Carlo Simulation Study*. [Poster presentation]. Annual Meeting of American Educational Research Association, Philadelphia, PA, United States.
- Lou, Y.** (2019). *Color Versus Black/White and College Students' Preference of Picture*. [Poster presentation]. 39th Annual Great Plains Students' Psychology Convention, Springfield, MO, United States.

RESEARCH EXPERIENCE

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| 2020-Present | Research Assistant, Educational Psychology and Methodology, University at Albany, SUNY |
| 2025 | Research Assistant, Research Foundation, University at Albany, SUNY
Principal Investigator: Dr. Mariola Moeyaert
Grant Title: <i>Methods for Investigating Causal Mechanisms in Single-Case Experimental Designs</i> |

2024- 2025	Psychometrician, Office of State Assessment, New York State Education Department Use item response theory to evaluate Grades 3-8 tests and develop automated procedures for analysis.
2023	Research Associate, Institutional Research Department, Schenectady County Community College, SUNY Developed models to predict students' likelihood of retention.
2021	Research Assistant, Research Foundation, University at Albany, SUNY Principal Investigator: Dr. Zheng Yan Grant Title: <i>AI-Enabled Privacy Control for Emerging Challenges in Intelligent Online Educational Environments</i>

TEACHING EXPERIENCE

Fa 2023- Fa 2024	Instructor, Educational Psychology and Methodology, University at Albany, SUNY <i>Statistics Human Development</i> , undergraduate level, 2 sections <i>Understanding Research in Human Development</i> , undergraduate level, 1 section
Fa 2025	Guest Lecturer, Educational Psychology and Methodology, University at Albany, SUNY <i>Systematic Review and Meta-Analysis</i> , graduate level, 1 section
Fa 2022 & Sp 2024	Teaching Assistant, Educational Psychology and Methodology, University at Albany, SUNY Served as a co-instructor <i>Statistical Methods I</i> , graduate level, 2 sections <i>Regression</i> , graduate level, 1 section
Fa 2022- Present	Teaching Assistant, Educational Psychology and Methodology, University at Albany, SUNY Served as a grader, duties included grading assignments, maintaining office hours and holding review sessions. <i>Introduction to Educational Psychology</i> , undergraduate level, 1 section <i>Statistical Methods I</i> , graduate level, 1 section <i>Statistical Methods II</i> , graduate level, 1 section <i>Regression</i> , graduate level, 2 sections <i>Multivariate Methods for Research</i> , graduate level, 1 section <i>Systematic Review and Meta-Analysis</i> , graduate level, 1 section

GRANTS & AWARDS

May 2025	Jean Edgecumbe Groff '38 Graduate Scholarship, University at Albany, SUNY Awarded to graduate student who demonstrates academic merit (\$1000)
May 2024	Joshua S. Smith & Yun diH Chia-Smith Professional Development Travel Award, University at Albany, SUNY Awarded to support travel to a national professional conference (\$1000)

May 2023	Alice Clark Long Scholarship, University at Albany, SUNY Awarded to graduate student who plans to teach (\$1000)
May 2021	Van Slyke Scholarship, University at Albany, SUNY Awarded to students demonstrating steady academic performance (\$1000)

PROFESSIONAL AND UNIVERSITY SERVICE

2021-Present	Ad-Hoc Reviewer <i>Human Behavior and Emerging Technologies</i> , 3 manuscripts <i>The Journal of Experimental Education</i> , 1 manuscript <i>Computers in Human Behavior</i> , 2 manuscripts
2022-2023	Vice President, Registered Graduate Student Organization of Educational Psychology and Methodology, University at Albany, SUNY Duties included organizing social events and recruiting professors for brown bag sessions
2022-2024	Assembly Representative, Registered Graduate Student Organization of the Sky Happiness Club, University at Albany, SUNY Duties included designing meditation activities and providing faculty with guidance on incorporating mindfulness events into their classes.
Fa 2023	Self-regulated Learning Develop Project, Educational Psychology and Methodology, University at Albany, SUNY Mentored undergraduates in stress management, personal development, and academic success.

SKILLS

Statistical Software: SPSS, RStudio, SAS, Winsteps, MPlus
 Experimental Design Software: E-Prime
 Programming Language: C++, Python